# The Commonwealth of Massachusetts
## Executive Office of Health and Human Services
### Department of Public Health
### William A. Hinton State Laboratory Institute
### 305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

02/27/12

Michael Patten
Assistant District Attorney, Essex County

Dear Mr. Patten,

Enclosed is the information you requested. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.

2. Control Cards with analytical results for sample #'s ██████████████████
   ███████████████

3. Analysis sheets with chemist's hand notations and test results.

4. GC/MS analytical data for sample #'s ████████████████████████ , and
   ███████████

GC/MS testing was performed by Della Saunders. All other analyses were performed by
Kate Corbett. If you have any questions about these materials, please call me at the
number below.

Sincerely,

Kate Corbett
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6632

*The Commonwealth of Massachusetts*
*Executive Office of Health and Human Services*
*Department of Public Health*
*State Laboratory Institute*

**Boston Drug Laboratory**
Tel (617) 983-6622
Fax (617) 983-6625

**Amherst Drug Laboratory**
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours
8:00 – 11:00
2:00 – 4:00

# DRUG RECEIPT

Amherst Hours
9:00 – 12:00
1:00 – 3:00

City or Department: Haverhill Police Department     **Police Reference No.:** _____

**Name and Rank of Submitting Officer:** _____ Detective Sgt Dana Burrill _____

**Defendant(s) Name (last, first, initial):**

████████████████

| *To be completed by Submitter* **Description of Items Submitted** | *To be completed by Lab Personnel* **Gross Weight** | **Lab Number** |
|---|---|---|
| Bag A contains 41 blue pills | 5.60g | ████████ |
| Bag B contains 34 white pills | 5.76g | ████████ |
| Bag C contains 8 blue pills | 2.27g | ████████ |
| Bag D contains 1 ziplock containing 4 pink pills | 2.91g | ████████ |
| | | |
| | | |
| | | |

Received by: _____ *Ell* _____     Date: _____ 8-19-11 _____

No. ████████          Date Analyzed: **OCT 10 2011**

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ████████

Amount: 41.0          Subst: TAB

No. Cont: 1    Cont: pb

Date Rec'd: 08/19/2011          No. Analyzed:

Gross Wt.: 5.60          Net Weight: 4.14 g

# Tests: 3 KA C +4 P&F

Prelim: Oxycodone  Findings: oxycodone

No. ████████          Date Analyzed **OCT 10 2011**

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ████████

Amount: 34.0          Subst: TAB

No. Cont: 1    Cont: pb

Date Rec'd: 08/19/2011          No. Analyzed:

Gross Wt.: 5.76          Net Weight: 4.28 g

# Tests: 2 KA C +2 P&F

Prelim: Oxycodone  Findings: oxycodone

No. ████████

Date Analyzed: OCT 1 0 2011

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ████████

Amount: 8.0                          Subst: TAB

No. Cont: 1    Cont: pb

Date Rec'd: 08/19/2011               No. Analyzed:

Gross Wt.: 2.27                      Net Weight: 0.80g

                                     # Tests: 2UAC
                                              +2/Def

Prelim: Oxycodone   Findings: oxycodone

No. ████████

Date Analyzed: OCT 1 3 2011

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ████████

Amount: 4.0                          Subst: TAB

No. Cont: 1    Cont: pb

Date Rec'd: 08/19/2011               No. Analyzed:

Gross Wt.: 2.91                      Net Weight:

                                     # Tests: CUCAC
                                              +2/Def

Prelim: Benzylpiperazir  Findings: Benzylpiperazine

# DRUG POWDER ANALYSIS FORM

SAMPLE # ████████  AGENCY Haverhill  ANALYST KMC
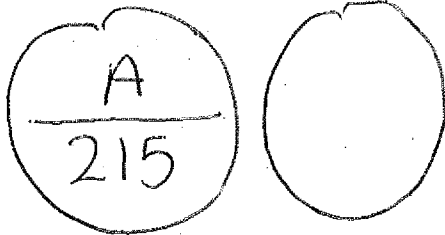
No. of samples tested: 2  Evidence Wt. OK

---

PHYSICAL DESCRIPTION:

41 round blue tablets

(A / 215)  ( )

(17 tablets)

( K/9 )  ( )

(24 tablets)

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Direct Net Wt: 4.1423g

---

## PRELIMINARY TESTS
### Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

### Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

### OTHER TESTS

Micromedex ⊕ for
Oxycodone

---

## PRELIMINARY TEST RESULTS

RESULTS Oxycodone

DATE 9/26/11

## GC/MS CONFIRMATORY TEST

RESULTS Oxycodone

MS
OPERATOR DCS

DATE 10/10/11

# Drug Information

■■■■■■■■■■■■■■■■

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

---

**Color:** Blue

**Shape:** Circle

**Imprint:** A; 215

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 100 , 10X10

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 52152-0215-02
52152-0215-11

**Excipients:** Starch, Corn ; FD&C Blue No. 2 Aluminum Lake ; Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Silicon Dioxide ; Sodium Starch Glycolate ; Stearic Acid

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID** 6527175

**Contact:** Actavis Totowa

---

# Drug Information

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Blue

**Shape:** Circle

**Imprint:** K 9 The tablet is debossed with K on left and 9 on right of the bisect on one side and plain on the other side. , K9 The tablet is debossed with K on left and 9 on right of the bisect on one side and plain on the other side.

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 100

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 10702-009-01

**UPC:** 10702-00901

**Excipients:** Sodium Starch Glycolate ; Stearic Acid ; FD&C Blue No. 2 Aluminum Lake ; Starch, Corn ; Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Silicon Dioxide

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID** 6998053

**Contact:** KVK-Tech

# DRUG POWDER ANALYSIS FORM

SAMPLE # ███████ AGENCY _Haverhill_ ANALYST _KAC_

No. of samples tested: _1_  Evidence Wt. _OK_
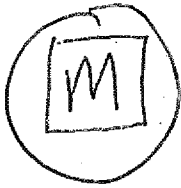
---

PHYSICAL DESCRIPTION:

_34 round blue tablets_

(M)   (30)

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

~~Direct~~ Net Wt: _4.2869_

---

### PRELIMINARY TESTS
#### Spot Tests

Cobalt Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

### Microcrystalline Tests

Gold Chloride _____

TLTA ( ) _____

### OTHER TESTS

_Micromedex for Oxycodone_

---

### PRELIMINARY TEST RESULTS

RESULTS _Oxycodone_

DATE _9/26/11_

### GC/MS CONFIRMATORY TEST

RESULTS _Oxycodone_

MS OPERATOR _DCS_

DATE _10/10/11_

# Drug Information

███████████████████

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Light Blue

**Shape:** Circle

**Imprint:** M The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , M30 The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , 30 , M 30

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 100

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 0406-8530-01

**Excipients:** Cellulose, Microcrystalline ; Sodium Starch Glycolate ; Starch, Corn ; Lactose ; Stearic Acid ; FD&C Blue No. 2

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID** 6594281

**Contact:** Covidien Mallinckrodt

Folk_OIG_PRR_075279

# DRUG POWDER ANALYSIS FORM

SAMPLE # ███████  AGENCY Haverhill  ANALYST KAC

No. of samples tested: 1  Evidence Wt. OK
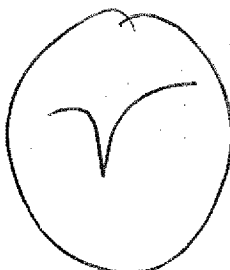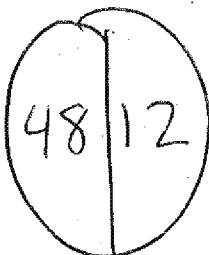
**PHYSICAL DESCRIPTION:**

8 round blue tablets

(48|12)  (V)

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Direct Net Wt: 0.8067g

---

**PRELIMINARY TESTS**

**Spot Tests**

Cobalt Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

**Microcrystalline Tests**

Gold Chloride _____

TLTA ( ) _____

**OTHER TESTS**

Micromedex O for Oxycodone

---

**PRELIMINARY TEST RESULTS**

RESULTS Oxycodone

DATE 9/26/11

**GC/MS CONFIRMATORY TEST**

RESULTS Oxycodone

MS OPERATOR DCS

DATE 10/10/11

# Drug Information

███████████████

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Light Blue

**Shape:** Circle

**Imprint:** 4812 The tablet is debossed with 4812 on one side and V on the reverse side. , v

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 500 , Bottle of 100 , Bottle of 10 , Bottle of 1000

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 00603-4992-28
00603-4992-21

**UPC:** 06034-99228

**Excipients:** FD&C Blue No. 1 Aluminum Lake ; Lactose (Monohydrate) ; Magnesium Stearate ; Cellulose, Microcrystalline ; Povidone ; Sodium Starch Glycolate ; Stearic Acid

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID** 7093498

**Contact:** Qualitest Pharmaceuticals

Folk_OIG_PRR_075281

# DRUG POWDER ANALYSIS FORM

SAMPLE # ███████████  AGENCY _Haverhill_  ANALYST _KAC_

No. of samples tested: __1__    Evidence Wt. _OK_

---

PHYSICAL DESCRIPTION:
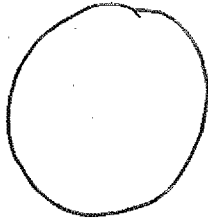
4 round pink tablets w/
monkey face logo



Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____
Direct
Net Wt: _1.1421g_

---

PRELIMINARY TESTS
### Spot Tests

Cobalt
Thiocyanate ( )  ⊖/⊖ w/acid

Marquis _____

Froehde's _____

Mecke's _____

### Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

### OTHER TESTS

GC ⊕ for Benzylpiperazine
compared to benzylpiperazine
std

---

PRELIMINARY TEST RESULTS

RESULTS _Benzylpiperazine_

DATE _9/27/11_

GC/MS CONFIRMATORY TEST

RESULTS _Benzylpiperazine_

MS
OPERATOR _DCS_

DATE _10/13/11_

```
==================================================================
  Acq. Operator   : ASD                    Seq. Line :    2
  Acq. Instrument : Drug Lab GC#3           Location : Vial 2
  Injection Date  : 9/27/2011 8:38:42 AM         Inj :    1
                                           Inj Volume : 1 µl
  Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
  Method          : C:\CHEM32\1\METHODS\ROUTINE.M
  Last changed    : 8/3/2010 11:50:36 AM
==================================================================
```
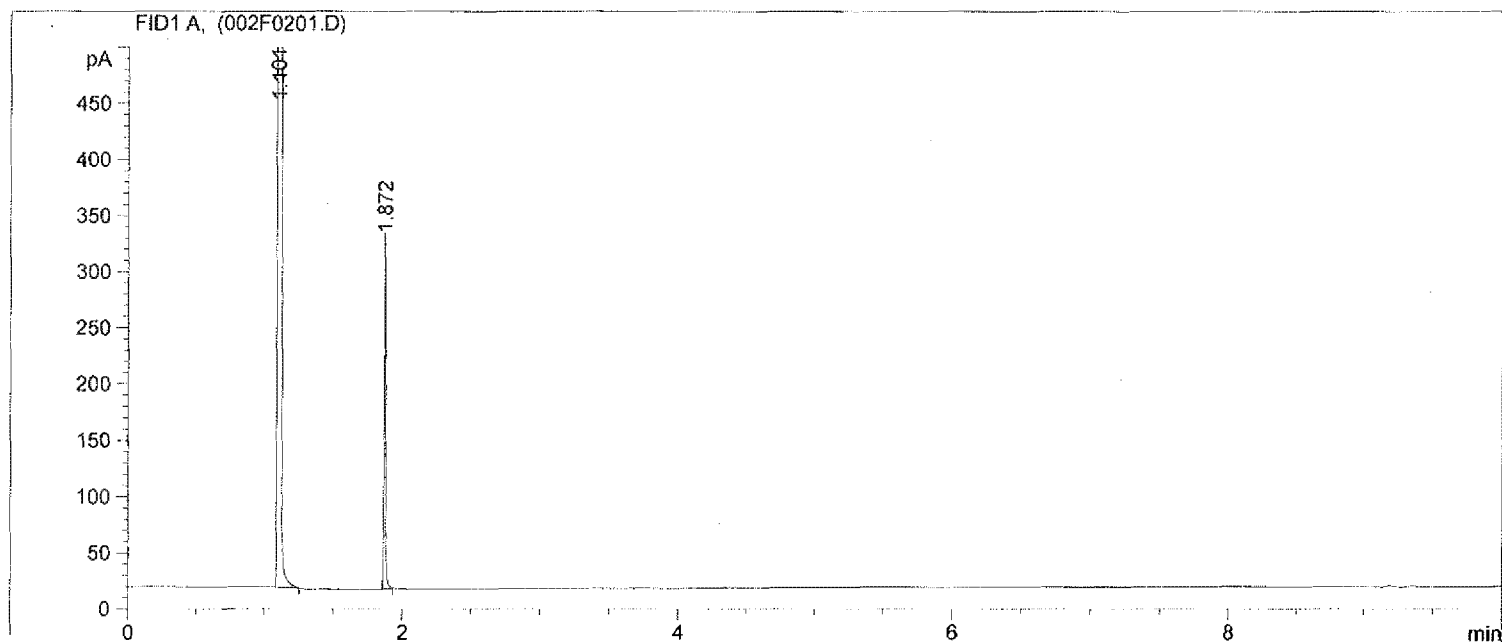


```
==================================================================
                     Area Percent Report
==================================================================

  Sorted By            :       Retention Time
  Multiplier:                  :        1.0000
  Dilution:                    :        1.0000
  Do not use Multiplier & Dilution Factor with ISTDs

  Signal 1: FID1 A,

  Peak RetTime Sig Type    Area        Height       Area
   #    [min]           [pA*s]        [pA]          %
  ----|-------|---|----|----------|-----------|--------|
   1    1.101  1  BB S 7.04250e4   7.26596e4   99.65899
   2    1.872  1  BB    240.97653  311.48529    0.34101

  Totals :             7.06660e4   7.29711e4
```
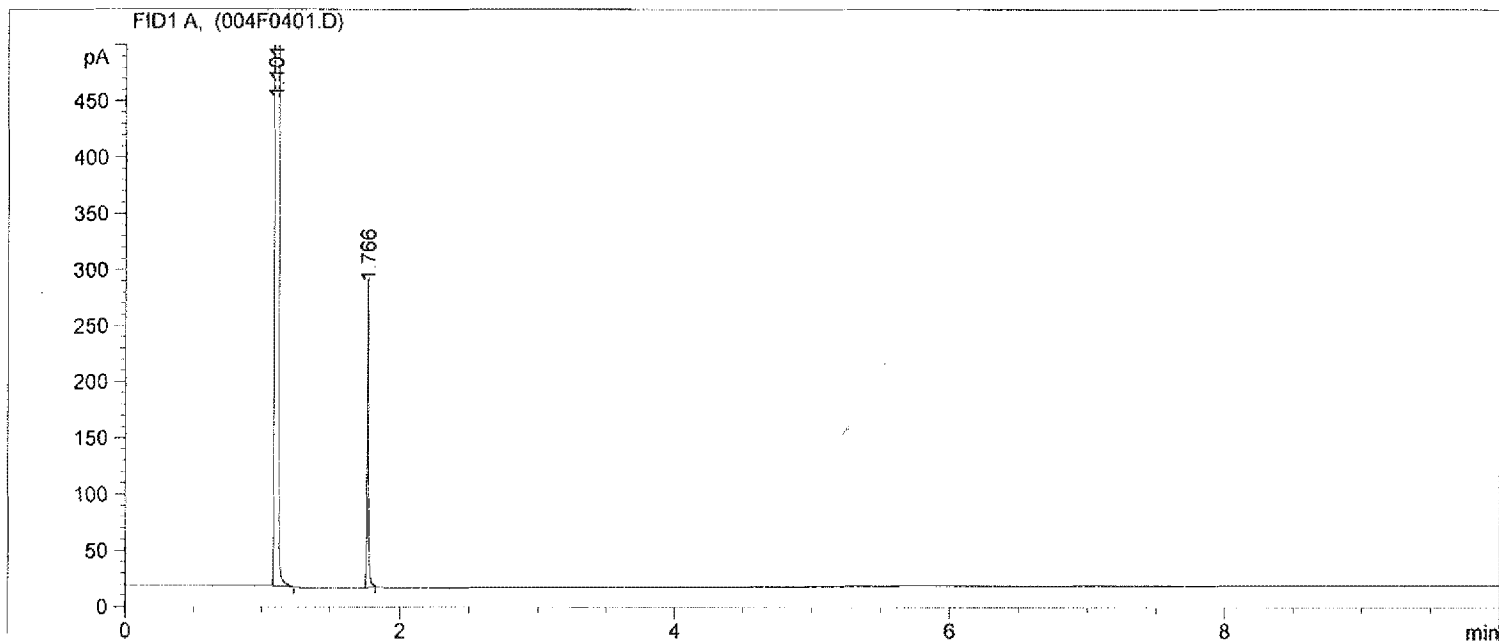
```
==================================================================
                    *** End of Report ***
```

Data File C:\CHEM32\1\DATA\004F0401.D
Sample Name: 3,4 MDA STD
=====================================================================
 Acq. Operator   : ASD                          Seq. Line :    4
 Acq. Instrument : Drug Lab GC#3                 Location : Vial 4
 Injection Date  : 9/27/2011 9:04:26 AM              Inj :    1
                                            Inj Volume : 1 µl

 Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
 Method          : C:\CHEM32\1\METHODS\ROUTINE.M
 Last changed    : 8/3/2010 11:50:36 AM
=====================================================================

FID1 A, (004F0401.D)

pA
450
400
350
300
250
200
150
100
50
0
     0        2        4        6        8      min

=====================================================================
                      Area Percent Report
=====================================================================

Sorted By          :          Retention Time
Multiplier:                    :        1.0000
Dilution:                      :        1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type    Area        Height       Area
 #   [min]           [pA*s]        [pA]          %
----|-------|---|----|----------|----------|--------|
  1  1.101  1  BB S  6.99677e4   7.53108e4  99.69657
  2  1.766  1  BB     212.94637  267.22903   0.30343
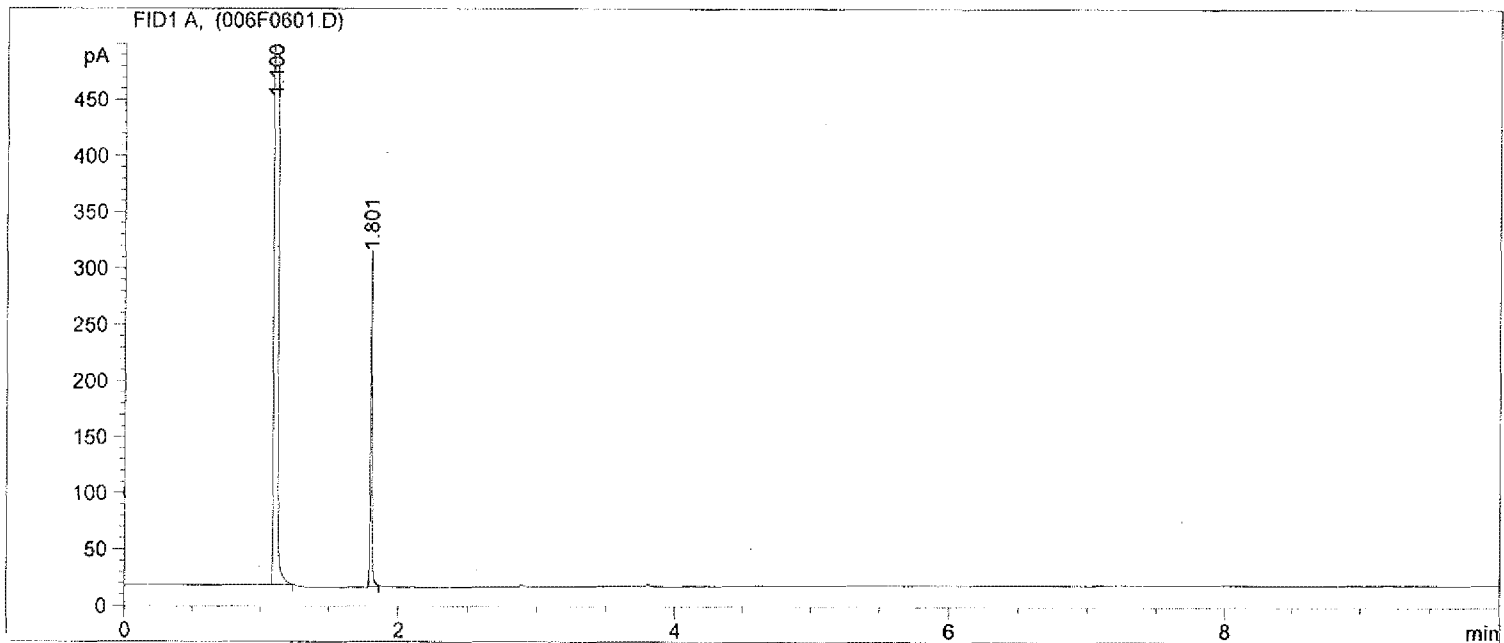
Totals :             7.01806e4   7.55781e4


=====================================================================
                    *** End of Report ***


Drug Lab GC#3 9/27/2011 9:14:26 AM ASD                      Page   1 of 1

**Folk_OIG_PRR_075284**

Data File C:\CHEM32\1\DATA\006F0601.D
Sample Name: BENZYLPIPERAZINE STD
=====================================================================

Acq. Operator   : ASD                        Seq. Line :    6
Acq. Instrument : Drug Lab GC#3               Location : Vial 6
Injection Date  : 9/27/2011 9:30:17 AM             Inj :    1
                                         Inj Volume : 1 µl

Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 8/3/2010 11:50:36 AM
=====================================================================



=====================================================================
                    Area Percent Report
=====================================================================

Sorted By           :         Retention Time
Multiplier:                 :      1.0000
Dilution:                   :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type     Area       Height      Area
  #   [min]             [pA*s]       [pA]         %
----|-------|---|----|----------|----------|---------|
  1   1.100   1  BB S 6.93664e4  7.48688e4  99.63867
  2   1.801   1  BB    251.54742  293.93326   0.36133

Totals :              6.96179e4  7.51627e4
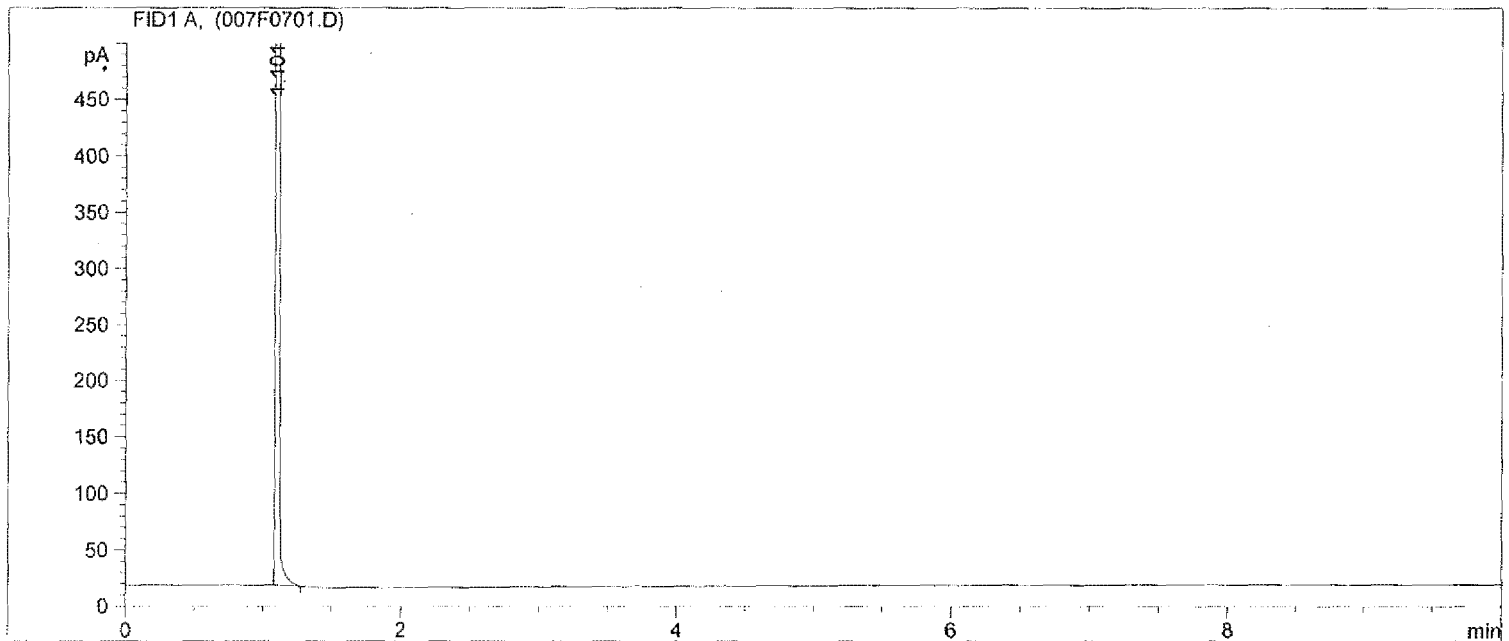

=====================================================================

                 *** End of Report ***

Data File C:\CHEM32\1\DATA\007F0701.D
Sample Name: BLANK

===================================================================

Acq. Operator   : ASD                    Seq. Line :    7
Acq. Instrument : Drug Lab GC#3           Location : Vial 7
Injection Date  : 9/27/2011 9:43:08 AM        Inj :    1
                                         Inj Volume : 1 µl

Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 8/3/2010 11:50:36 AM

===================================================================



===================================================================
                    Area Percent Report
===================================================================

Sorted By            :        Retention Time
Multiplier:                   :        1.0000
Dilution:                     :        1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type    Area       Height      Area
  #   [min]            [pA*s]       [pA]         %
----|-------|---|----|----------|----------|--------|
  1   1.101  1  BB S 6.93435e4  7.46996e4  1.000e2

Totals :              6.93435e4  7.46996e4

===================================================================
                    *** End of Report ***

Drug Lab GC#3 9/27/2011 9:53:08 AM ASD                    Page   1 of 1

**Folk_OIG_PRR_075286**

```
==============================================================================
Acq. Operator   : ASD                          Seq. Line :   8
Acq. Instrument : Drug Lab GC#3                 Location  : Vial 8
Injection Date  : 9/27/2011 9:55:54 AM             Inj    :   1
                                                Inj Volume : 1 µl
Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 8/3/2010 11:50:36 AM
==============================================================================
```
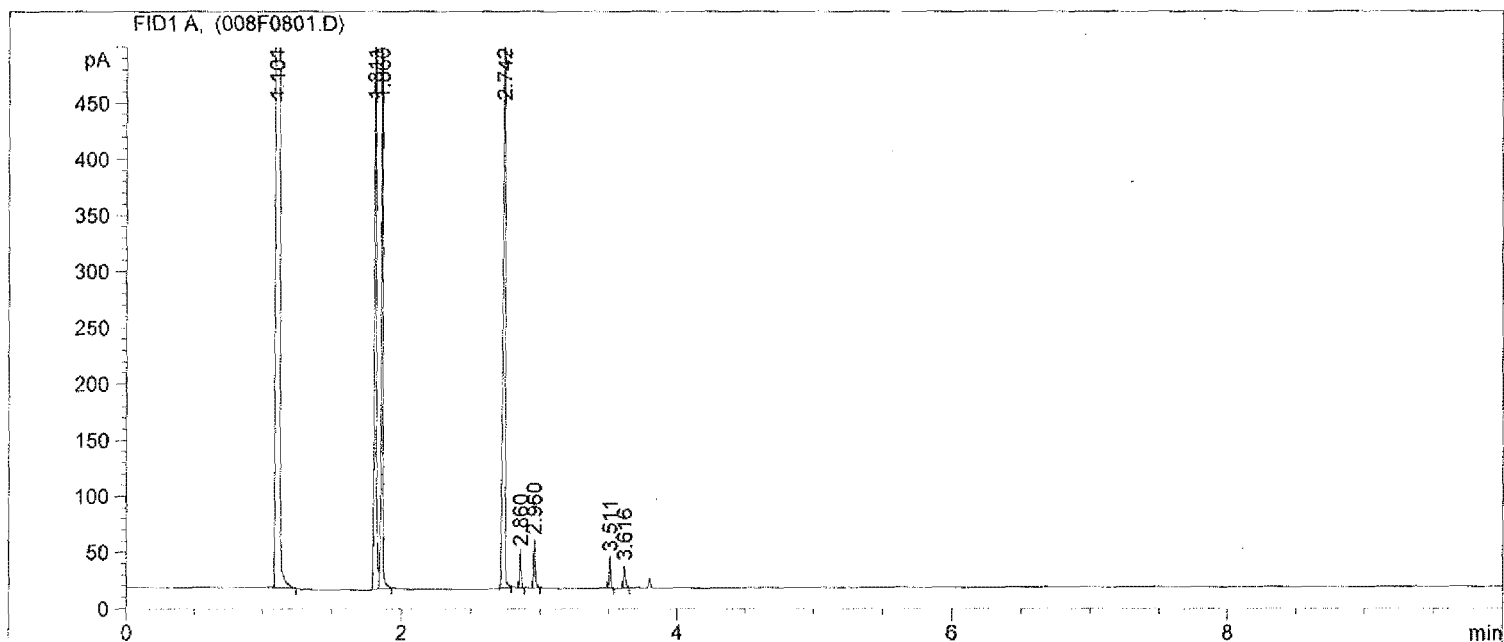


```
==============================================================================
                          Area Percent Report
==============================================================================

Sorted By           :          Retention Time
Multiplier:                     :     1.0000
Dilution:                       :     1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,
```

| Peak # | RetTime [min] | Sig | Type | Area [pA*s] | Height [pA] | Area % |
|------|------|-----|------|------------|------------|-----------|
| 1 | 1.101 | 1 | BB S | 7.02661e4 | 7.65287e4 | 97.55259 |
| 2 | 1.811 | 1 | BV | 589.46173 | 703.25043 | 0.81837 |
| 3 | 1.860 | 1 | VB | 468.80124 | 619.49677 | 0.65085 |
| 4 | 2.742 | 1 | BB | 603.33594 | 521.30249 | 0.83763 |
| 5 | 2.860 | 1 | BB | 24.75462 | 31.90988 | 0.03437 |
| 6 | 2.960 | 1 | BB | 36.16194 | 42.33094 | 0.05020 |
| 7 | 3.511 | 1 | BB | 21.82611 | 27.19561 | 0.03030 |
| 8 | 3.616 | 1 | BB | 18.50540 | 19.27575 | 0.02569 |

```
Totals :                        7.20290e4   7.84935e4
```

```
==============================================================================
                          *** End of Report ***
==============================================================================
```
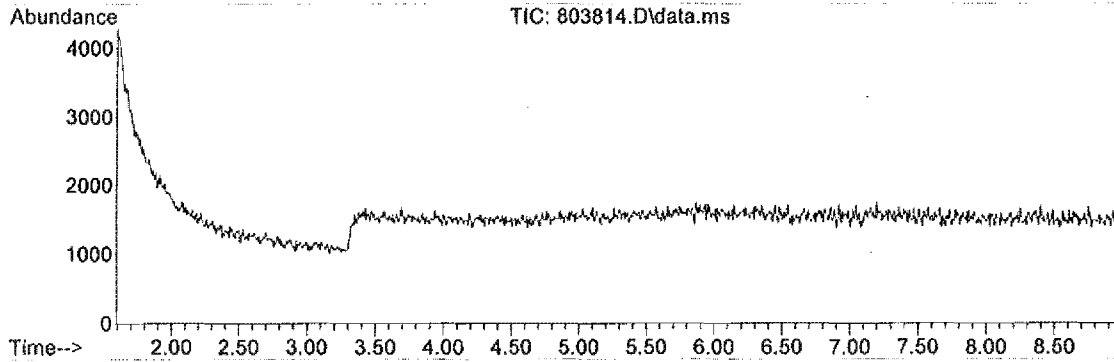
Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803814.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  14:24
Sample Name    : BLANK
Submitted by   :
Vial Number    :    1
AcquisitionMeth: MDMA.M
Integrator     : RTE



Ret. Time            Area        Area %      Ratio %
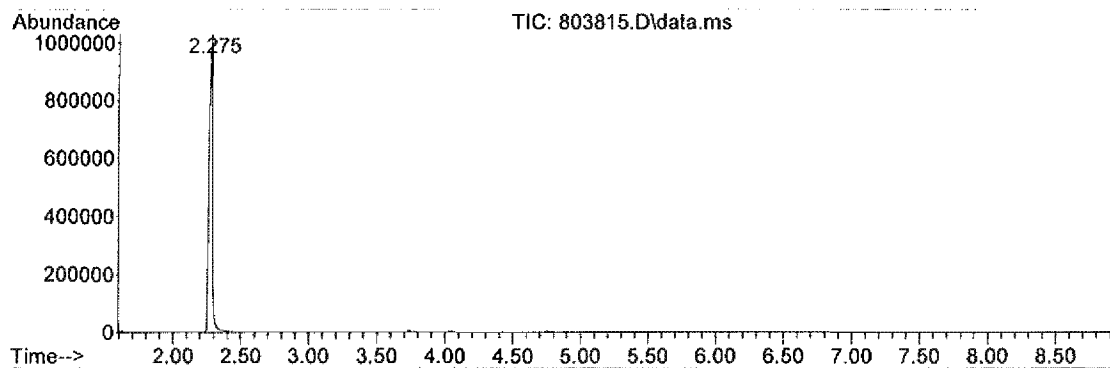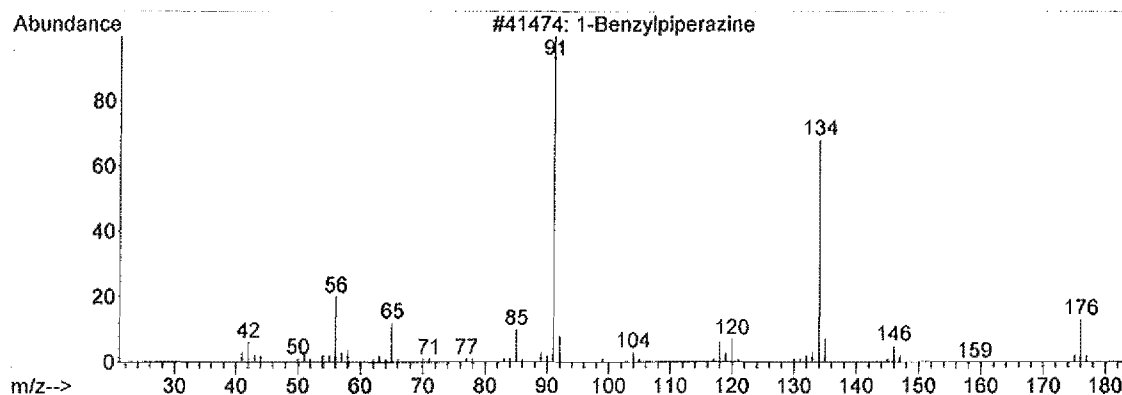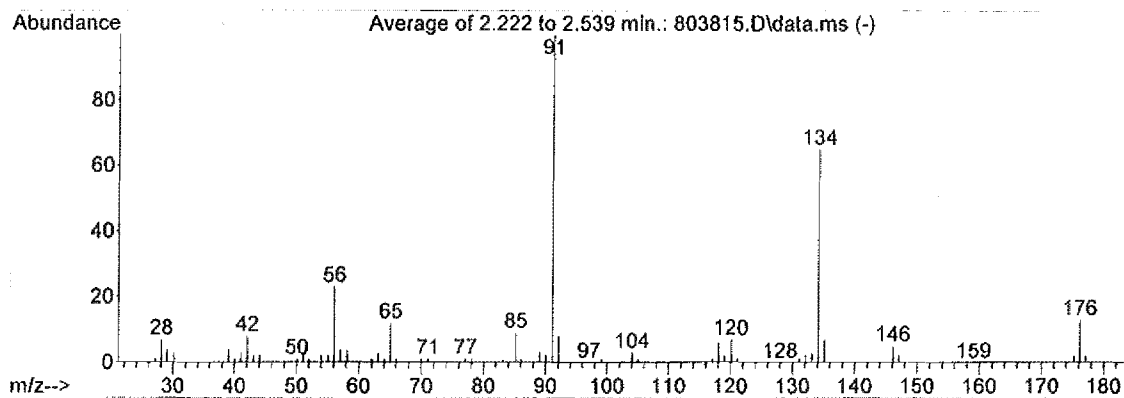
***NO INTEGRATED PEAKS***

# Area Percent / Library Search Report

Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803815.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  14:36
Sample Name    : BZP STANDARD
Submitted by   :
Vial Number    :  15
AcquisitionMeth: MDMA.M
Integrator     : RTE



TIC: 803815.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 2.275 | 1763098 | 100.00 | 100.00 |

Information from Data File:
File Name       : F:\Q4-2011\System8\10_12_11\803815.D
Operator        : DCS
Date Acquired   : 12 Oct 2011  14:36
Sample Name     : BZP STANDARD
Submitted by    :
Vial Number     :  15
AcquisitionMeth : MDMA.M
Integrator      : RTE

Search Libraries:   C:\Database\SLI.L           Minimum Quality: 80
                    C:\Database\NIST08.L        Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 1 | 2.28 | C:\Database\NIST08.L | | |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |

Abundance          Average of 2.222 to 2.539 min.: 803815.D\data.ms (-)



Abundance          #41474: 1-Benzylpiperazine

Information from Data File:
File Name       : F:\Q4-2011\System8\10_12_11\803816.D
Operator        : DCS
Date Acquired   : 12 Oct 2011  14:48
Sample Name     : BLANK
Submitted by    :
Vial Number     :   1
AcquisitionMeth: MDMA.M
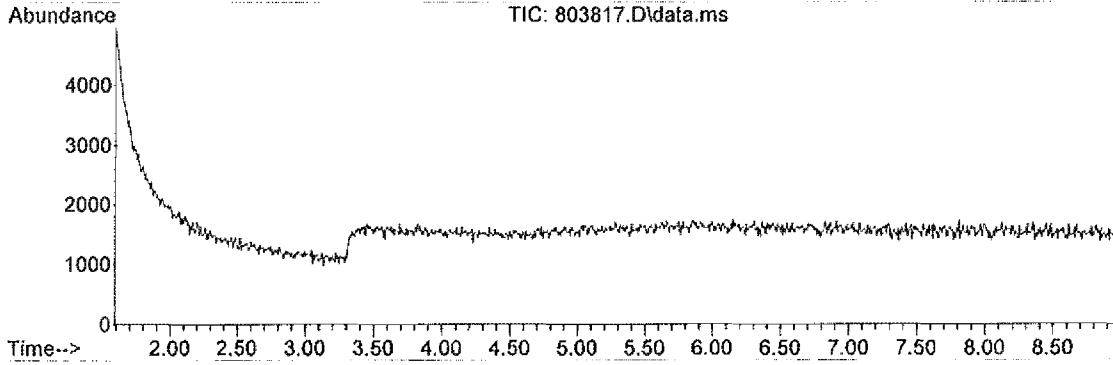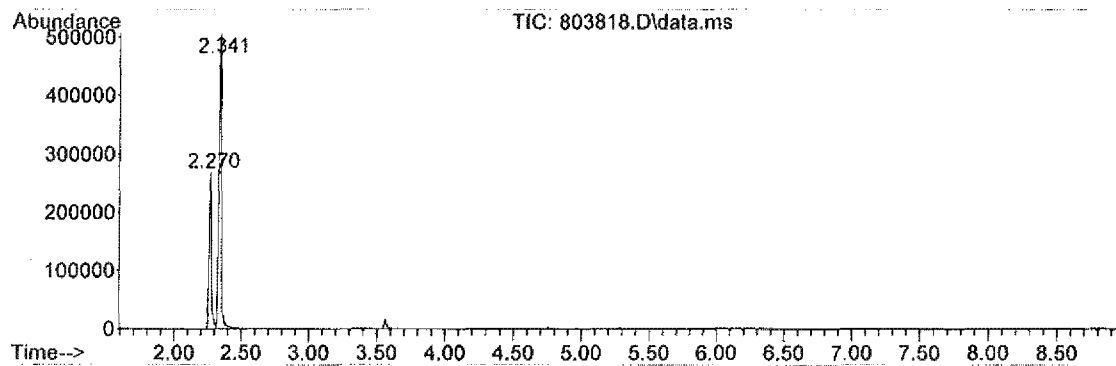Integrator      : RTE



TIC: 803816.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***
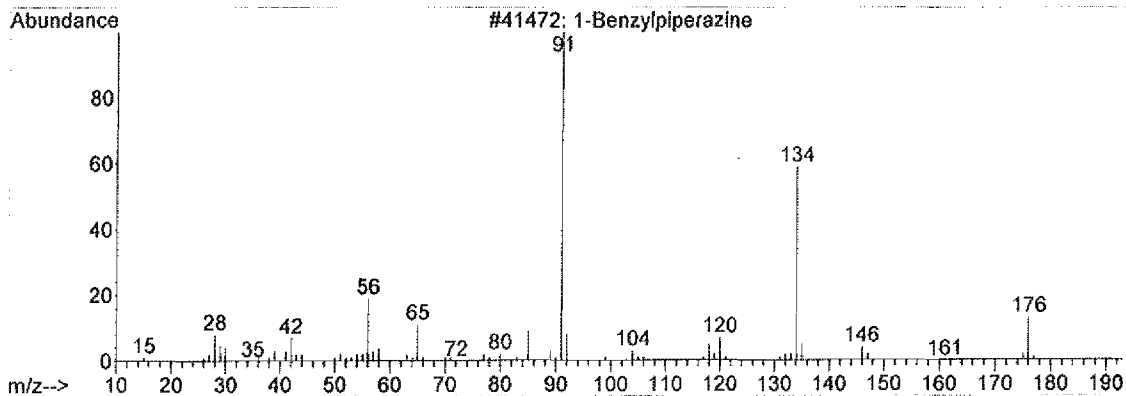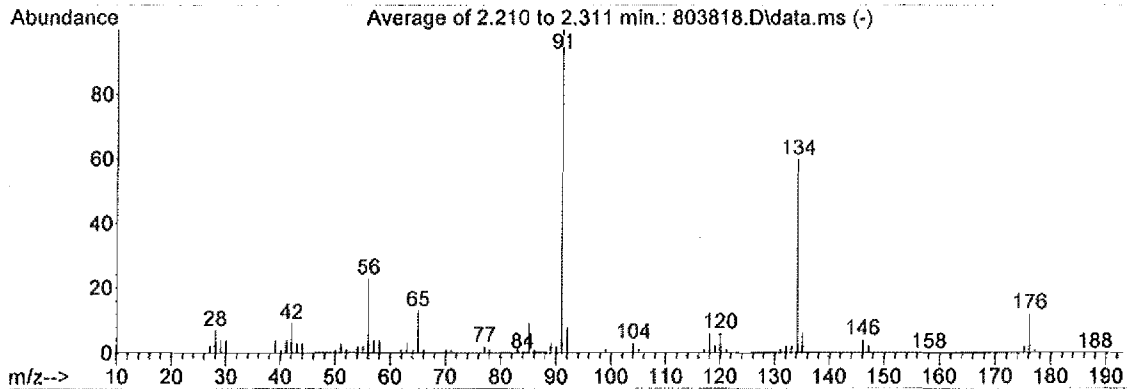
# Area Percent / Library Search Report

Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803817.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  15:00
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :  1
AcquisitionMeth: MDMA.M
Integrator     : RTE



TIC: 803817.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

Area Percent / Library Search Report

Information from Data File:
File Name     : F:\Q4-2011\System8\10_12_11\803818.D
Operator      : DCS
Date Acquired : 12 Oct 2011   15:12
Sample Name   : ███████
Submitted by  : KAC
Vial Number   :  18
AcquisitionMeth: MDMA.M
Integrator    : RTE



TIC: 803818.D\data.ms

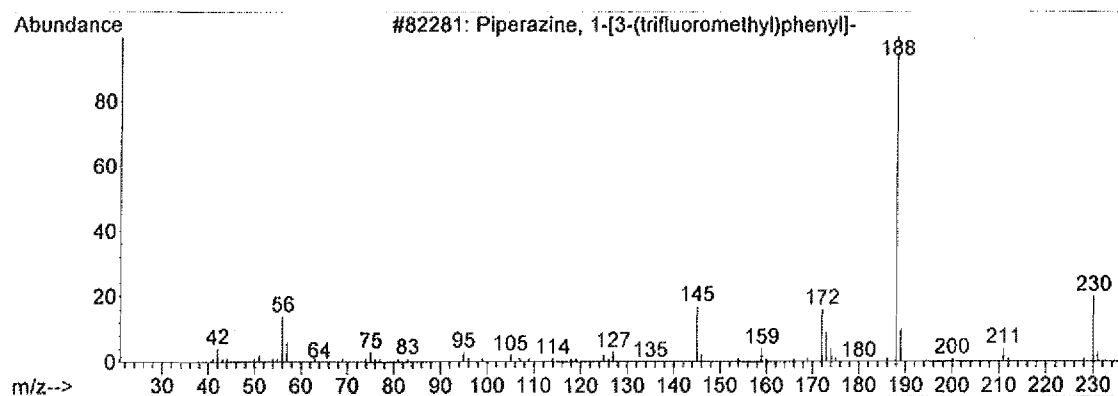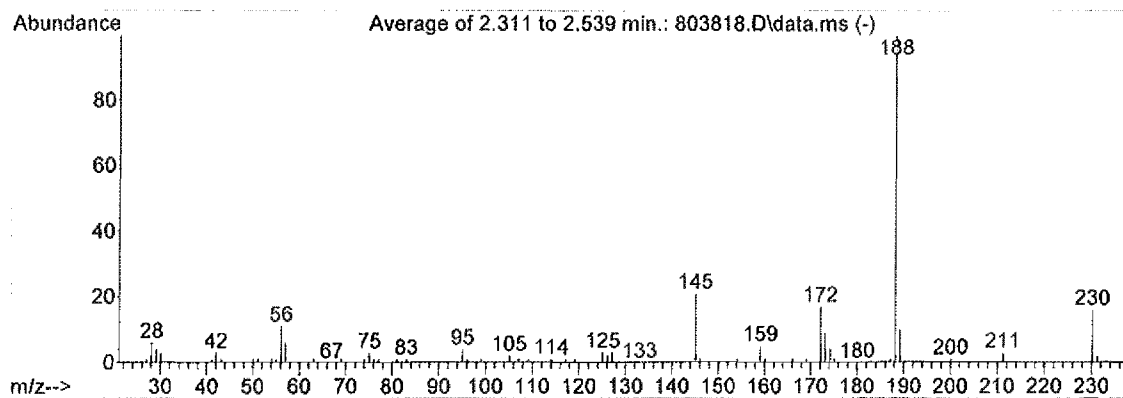| Ret. Time | Area | Area % | Ratio % |
| --- | --- | --- | --- |
| 2.270 | 327005 | 33.04 | 49.34 |
| 2.341 | 662692 | 66.96 | 100.00 |

Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803818.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  15:12
Sample Name    : ███████████
Submitted by   : KAC
Vial Number    : 18
AcquisitionMeth: MDMA.M
Integrator     : RTE

Search Libraries:   C:\Database\SLI.L          Minimum Quality: 80
                    C:\Database\NIST08.L       Minimum Quality: 80
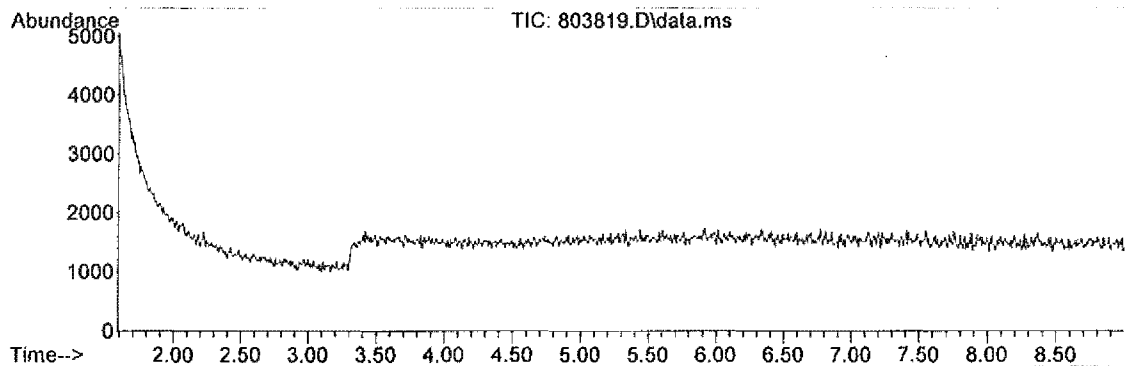                    C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 2.27 | C:\Database\NIST08.L | | |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |

Abundance    Average of 2.210 to 2.311 min.: 803818.D\data.ms (-)

Abundance    #41472: 1-Benzylpiperazine

803818.D        Tue Feb 21 13:11:52 2012        Page  2

Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803818.D
Operator       : DCS
Date Acquired  : 12 Oct 2011   15:12
Sample Name    : ███████████
Submitted by   : KAC
Vial Number    : 18
AcquisitionMeth: MDMA.M
Integrator     : RTE

Search Libraries:  C:\Database\SLI.L           Minimum Quality: 80
                   C:\Database\NIST08.L         Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 2 | 2.34 | C:\Database\NIST08.L | | |
| | | Piperazine, 1-[3-(trifluoromethyl)p | 015532-75-9 | 98 |
| | | Piperazine, 1-[3-(trifluoromethyl)p | 015532-75-9 | 90 |
| | | 5-(2,4-Dimethyl-phenyl)-2H-pyrazol- | 1000274-91-6 | 64 |

Abundance     Average of 2.311 to 2.539 min.: 803818.D\data.ms (-)

188

80

60

40

20
   28        56                          145        172              230
        42         67  75 83   95  105 114 125 133        159    180    200 211
0
m/z-->   30  40  50  60  70  80  90 100 110 120 130 140 150 160 170 180 190 200 210 220 230

Abundance     #82281: Piperazine, 1-[3-(trifluoromethyl)phenyl]-

188

80

60

40

20
            56                          145        172              230
        42      64  75 83   95  105 114 127 135        159    180    200 211
0
m/z-->   30  40  50  60  70  80  90 100 110 120 130 140 150 160 170 180 190 200 210 220 230

803818.D          Tue Feb 21 13:11:52 2012          Page   3

Area Percent / Library Search Report

Information from Data File:
File Name    : F:\Q4-2011\System8\10_12_11\803819.D
Operator     : DCS
Date Acquired : 12 Oct 2011  15:24
Sample Name  : BLANK
Submitted by :
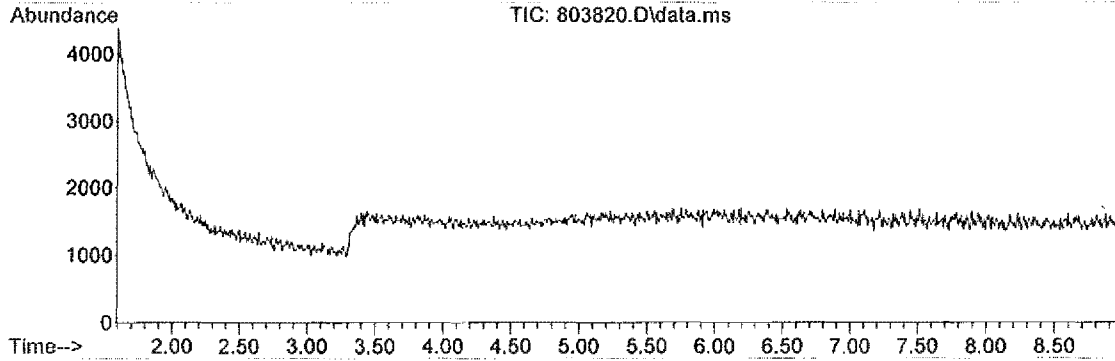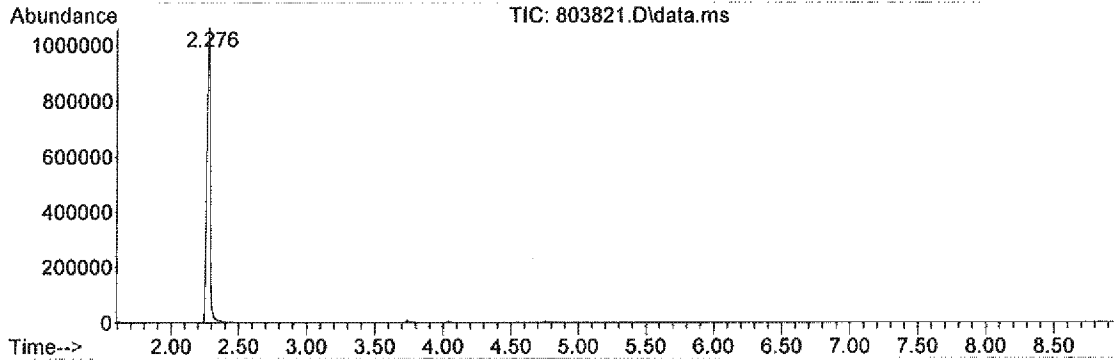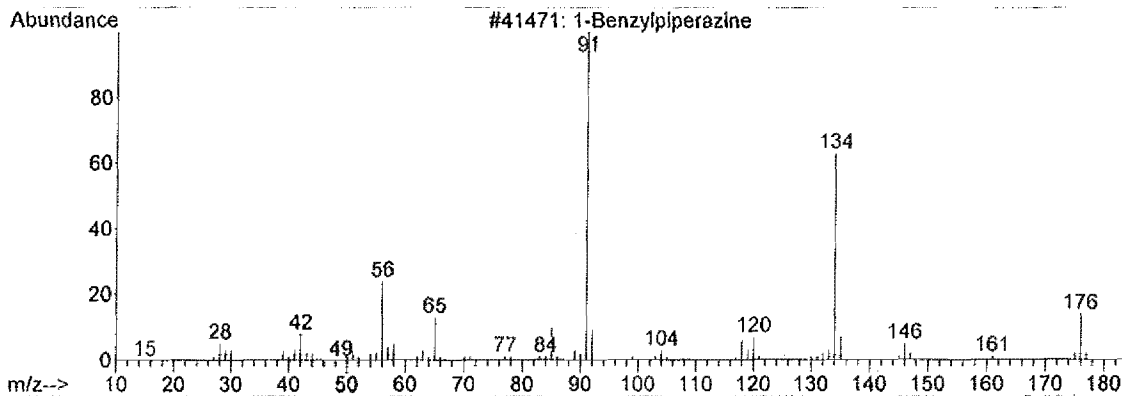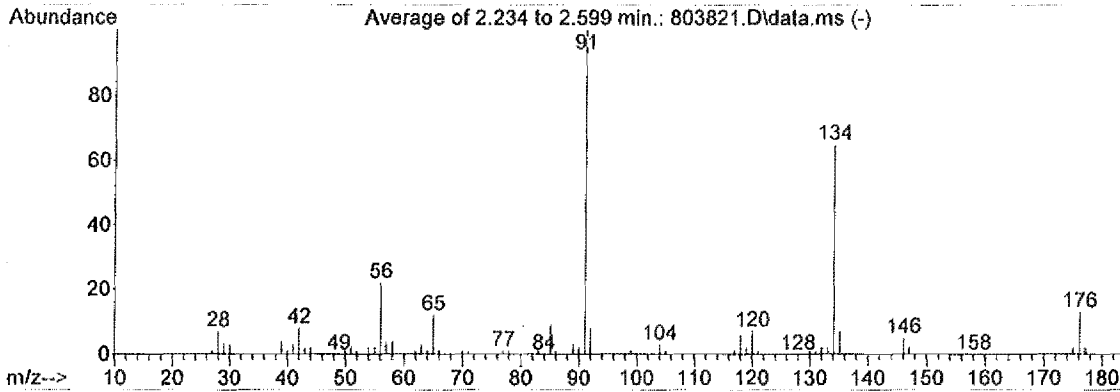Vial Number  :   1
AcquisitionMeth: MDMA.M
Integrator   : RTE



TIC: 803819.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803820.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  15:35
Sample Name    : BLANK
Submitted by   :
Vial Number    :   1
AcquisitionMeth: MDMA.M
Integrator     : RTE



Ret. Time              Area        Area %      Ratio %

***NO INTEGRATED PEAKS***

Information from Data File:
File Name      : F:\Q4-2011\System8\10_12_11\803821.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  15:47
Sample Name    : BZP STANDARD
Submitted by   :
Vial Number    : 15
AcquisitionMeth: MDMA.M
Integrator     : RTE



| Ret. Time | Area | Area % | Ratio % |
|---|---|---|---|
| 2.276 | 1769255 | 100.00 | 100.00 |

Information from Data File:
File Name       : F:\Q4-2011\System8\10_12_11\803821.D
Operator        : DCS
Date Acquired   : 12 Oct 2011  15:47
Sample Name     : BZP STANDARD
Submitted by    :
Vial Number     :  15
AcquisitionMeth : MDMA.M
Integrator      : RTE

Search Libraries:   C:\Database\SLI.L          Minimum Quality: 80
                    C:\Database\NIST08.L       Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 2.28 | C:\Database\NIST08.L | | |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |
| | | 1-Benzylpiperazine | 002759-28-6 | 96 |



Average of 2.234 to 2.599 min.: 803821.D\data.ms (-)



#41471: 1-Benzylpiperazine

803821.D          Tue Feb 21 13:12:03 2012          Page  2

Information from Data File:
File Name        : F:\Q4-2011\System7\10_07_11\803536.D
Operator         : DCS
Date Acquired    :  7 Oct 2011  22:10
Sample Name      : BLANK
Submitted by     :
Vial Number      :  1
AcquisitionMeth: DRUGS.M
Integrator       : RTE



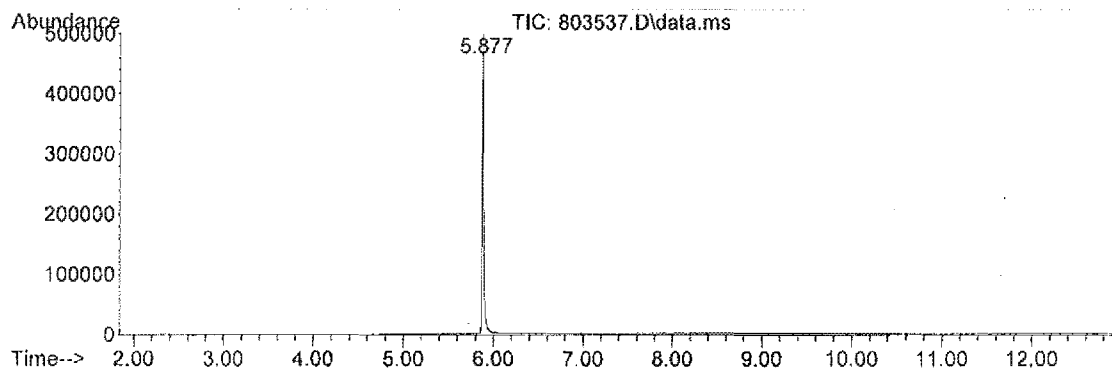| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803537.D
Operator       : DCS
Date Acquired  :  7 Oct 2011  22:26
Sample Name    : OXYCODONE STANDARD
Submitted by   :
Vial Number    :    5
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Abundance
                         TIC: 803537.D\data.ms
500000
                   5.877
400000

300000

200000

100000

     0
Time-->  2.00   3.00   4.00   5.00   6.00   7.00   8.00   9.00   10.00   11.00   12.00

| Ret. Time | Area | Area % | Ratio % |
| --- | --- | --- | --- |
| 5.877 | 614720 | 100.00 | 100.00 |

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803537.D
Operator       : DCS
Date Acquired  :  7 Oct 2011  22:26
Sample Name    : OXYCODONE STANDARD
Submitted by   :
Vial Number    :  5
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Search Libraries:  C:\Database\SLI.L              Minimum Quality: 80
                   C:\Database\NIST05a.L          Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 5.88 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |



Average of 5.840 to 6.015 min.: 803537.D\data.ms (-)



#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

803537.D          Tue Feb 21 13:17:24 2012          Page  2

Information from Data File:
File Name        :  F:\Q4-2011\System7\10_07_11\803553.D
Operator         :  DCS
Date Acquired    :  8 Oct 2011    2:36
Sample Name      :  BLANK
Submitted by     :  NEM
Vial Number      :    2
AcquisitionMeth: DRUGS.M
Integrator       :  RTE



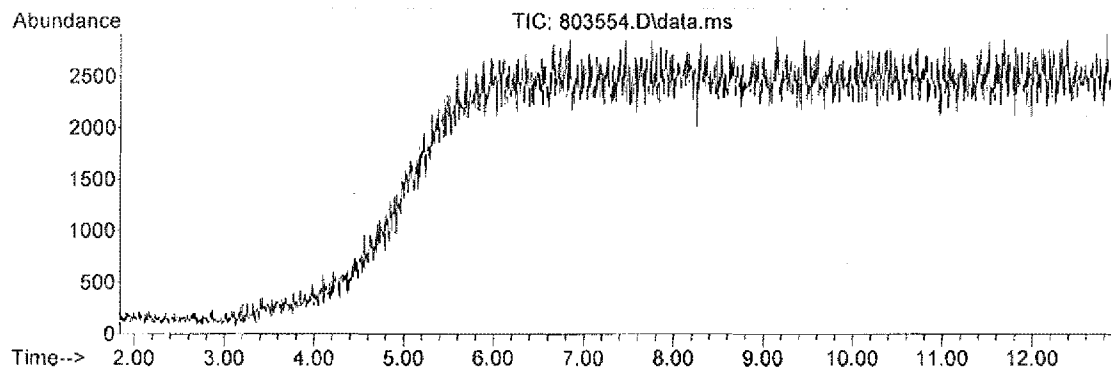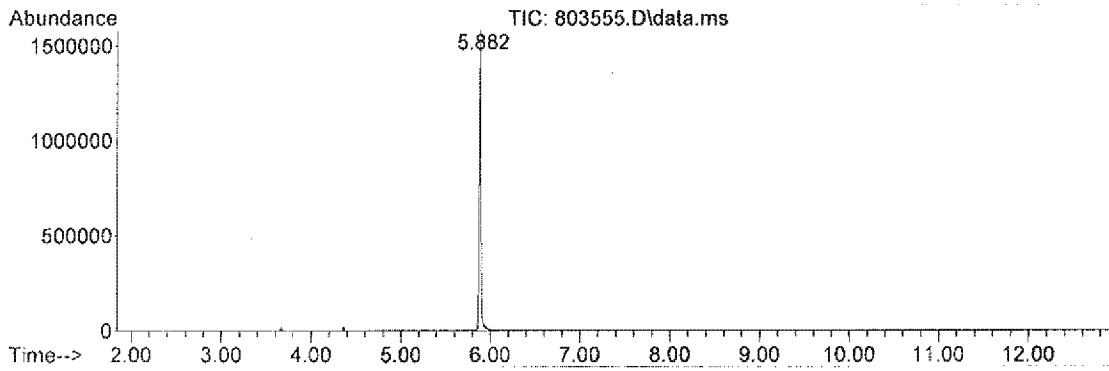| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

803553.D              Tue Feb 21 13:18:15 2012              Page  1

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803554.D
Operator       : DCS
Date Acquired  :  8 Oct 2011   2:52
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :  2
AcquisitionMeth: DRUGS.M
Integrator     : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

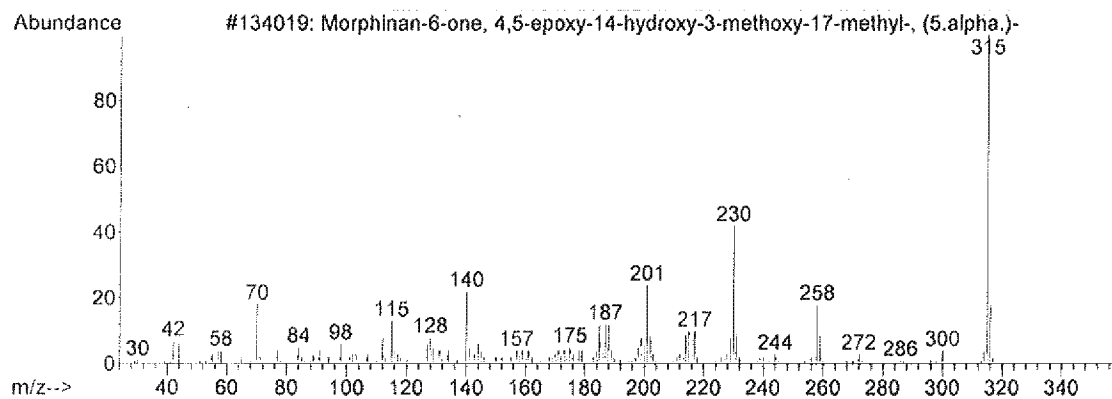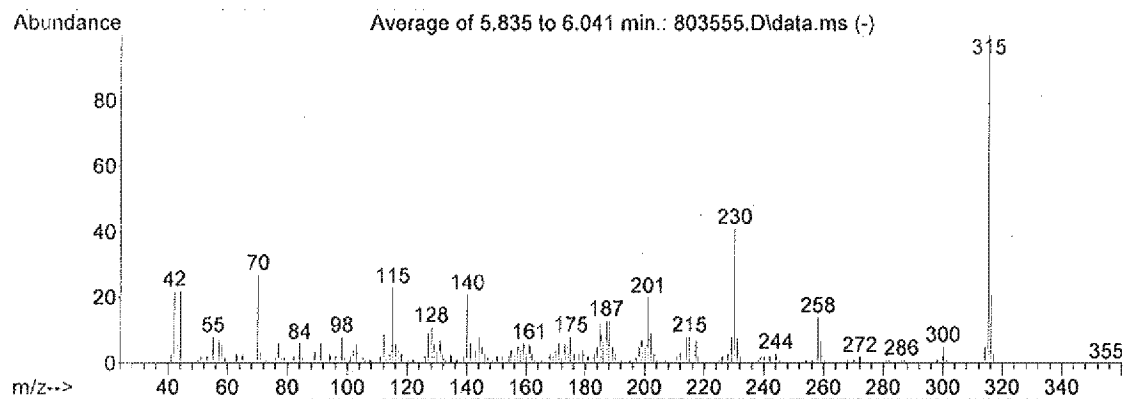# Area Percent / Library Search Report

Information from Data File:
```
File Name        :  F:\Q4-2011\System7\10_07_11\803555.D
Operator         :  DCS
Date Acquired    :  8 Oct 2011   3:07
Sample Name      :  ████████
Submitted by     :  KAC
Vial Number      :  55
AcquisitionMeth  :  DRUGS.M
Integrator       :  RTE
```



| Ret. Time | Area | Area % | Ratio % |
|---|---|---|---|
| 5.882 | 1984459 | 100.00 | 100.00 |

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803555.D
Operator       : DCS
Date Acquired  :  8 Oct 2011    3:07
Sample Name    : ███████
Submitted by   : KAC
Vial Number    :  55
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Search Libraries:  C:\Database\SLI.L                  Minimum Quality: 80
                   C:\Database\NIST05a.L              Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 5.88 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |

Abundance        Average of 5.835 to 6.041 min.: 803555.D\data.ms (-)



Abundance   #134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-



803555.D          Tue Feb 21 13:18:25 2012          Page   2
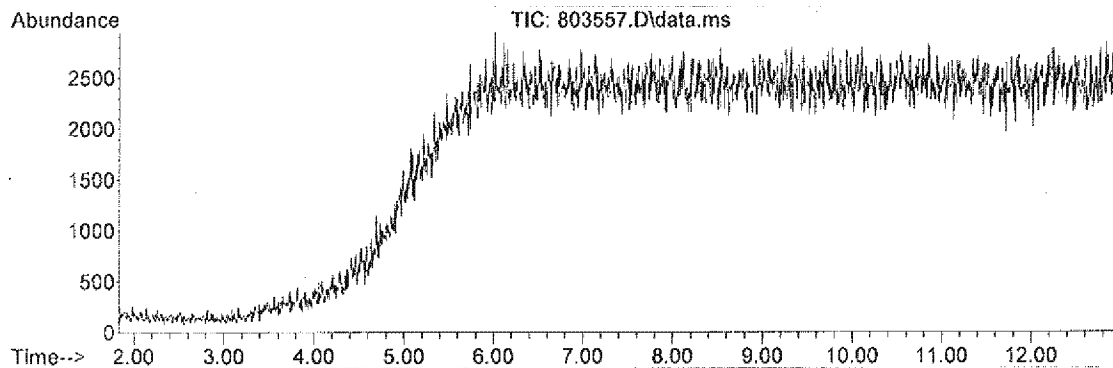
Information from Data File:
File Name        : F:\Q4-2011\System7\10_07_11\803556.D
Operator         : DCS
Date Acquired    :  8 Oct 2011   3:23
Sample Name      : BLANK
Submitted by     : KAC
Vial Number      :   2
AcquisitionMeth: DRUGS.M
Integrator       : RTE



Abundance                    TIC: 803556.D\data.ms

Ret. Time              Area       Area %     Ratio %
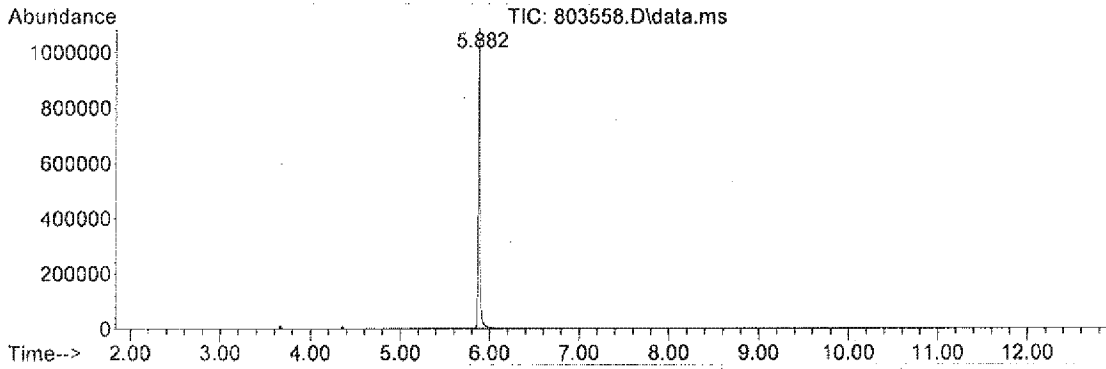
***NO INTEGRATED PEAKS***

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803557.D
Operator       : DCS
Date Acquired  :  8 Oct 2011    3:39
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :   2
AcquisitionMeth: DRUGS.M
Integrator     : RTE



Abundance          TIC: 803557.D\data.ms

Ret. Time              Area       Area %     Ratio %

***NO INTEGRATED PEAKS***
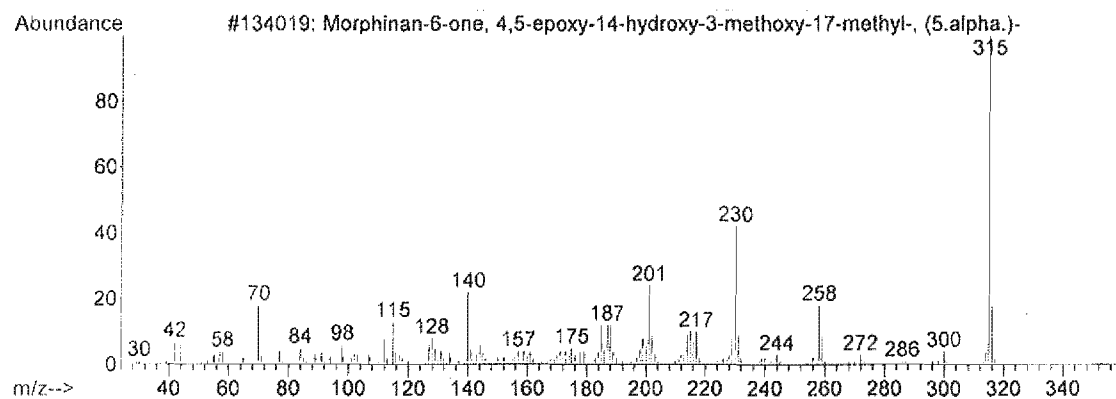
Area Percent / Library Search Report

Information from Data File:
File Name        : F:\Q4-2011\System7\10_07_11\803558.D
Operator         : DCS
Date Acquired    :  8 Oct 2011    3:54
Sample Name      : ███████████
Submitted by     : KAC
Vial Number      :  58
AcquisitionMeth: DRUGS.M
Integrator       : RTE

Abundance                          TIC: 803558.D\data.ms
                             5.882
 1000000

  800000

  600000

  400000

  200000

       0
Time-->   2.00   3.00   4.00   5.00   6.00   7.00   8.00   9.00   10.00   11.00   12.00

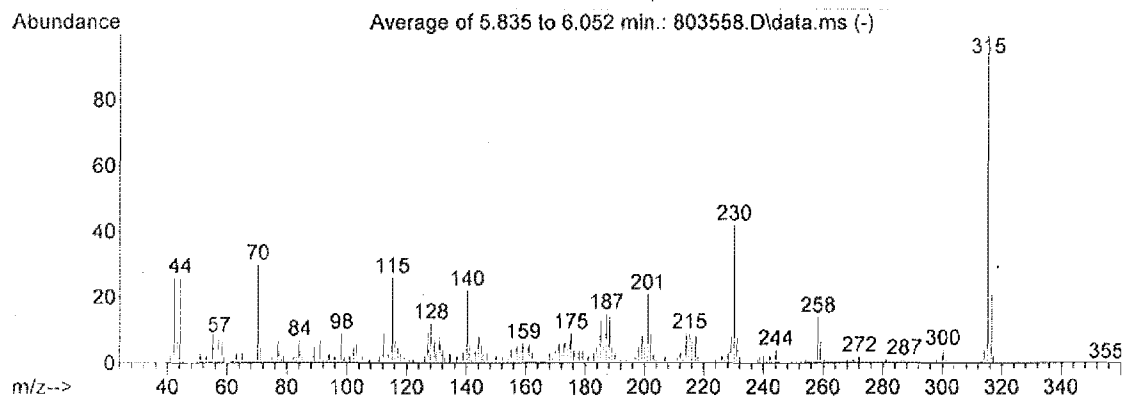| Ret. Time | Area | Area % | Ratio % |
| --- | --- | --- | --- |
| 5.882 | 1387724 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803558.D
Operator       : DCS
Date Acquired  : 8 Oct 2011   3:54
Sample Name    : ███████
Submitted by   : KAC
Vial Number    : 58
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Search Libraries:  C:\Database\SLI.L              Minimum Quality: 80
                   C:\Database\NIST05a.L          Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#  RT      Library/ID                              CAS#          Qual

 1   5.88    C:\Database\NIST05a.L
             Morphinan-6-one, 4,5-epoxy-14-hydro  000076-42-6    99
             Morphinan-6-one, 4,5-epoxy-14-hydro  000076-42-6    99
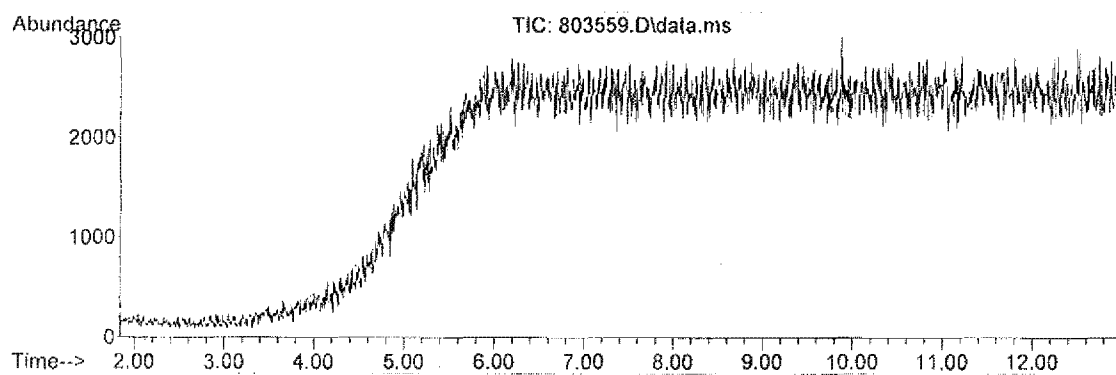             Morphinan-6-one, 4,5-epoxy-14-hydro  000076-42-6    99



Abundance — Average of 5.835 to 6.052 min.: 803558.D\data.ms (-)



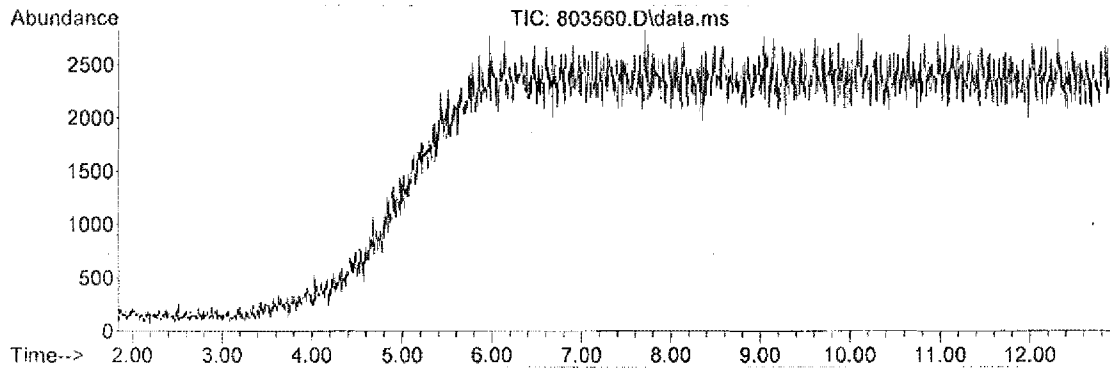Abundance — #134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

Area Percent / Library Search Report

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803559.D
Operator       : DCS
Date Acquired  : 8 Oct 2011   4:10
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :  2
AcquisitionMeth: DRUGS.M
Integrator     : RTE



| Ret. Time | Area | Area % | Ratio % |
|---|---|---|---|

***NO INTEGRATED PEAKS***

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803560.D
Operator       : DCS
Date Acquired  :  8 Oct 2011    4:26
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :   2
AcquisitionMeth: DRUGS.M
Integrator     : RTE
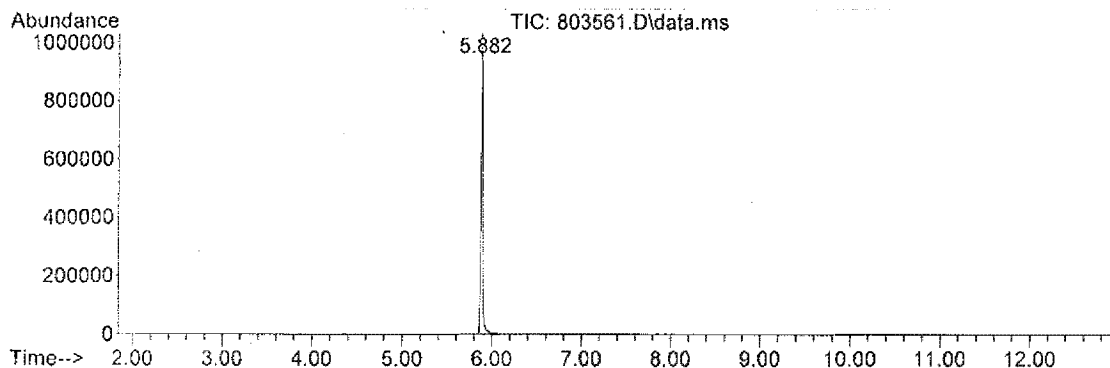


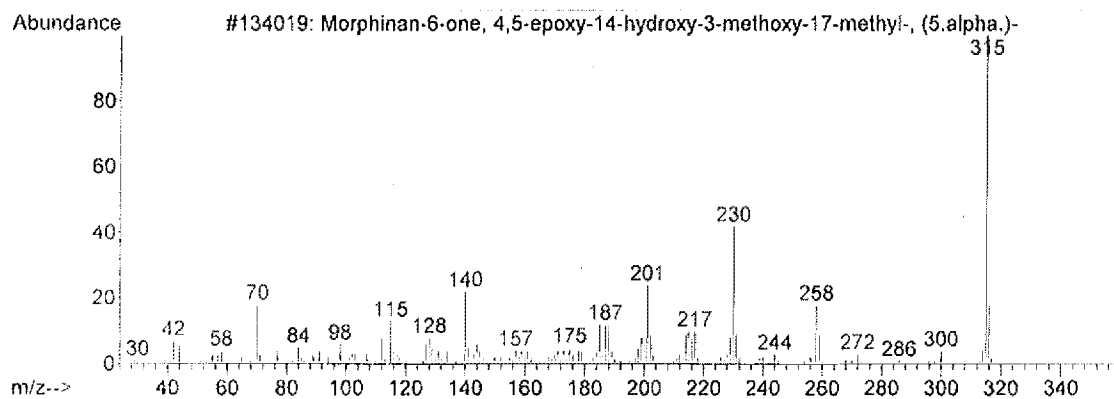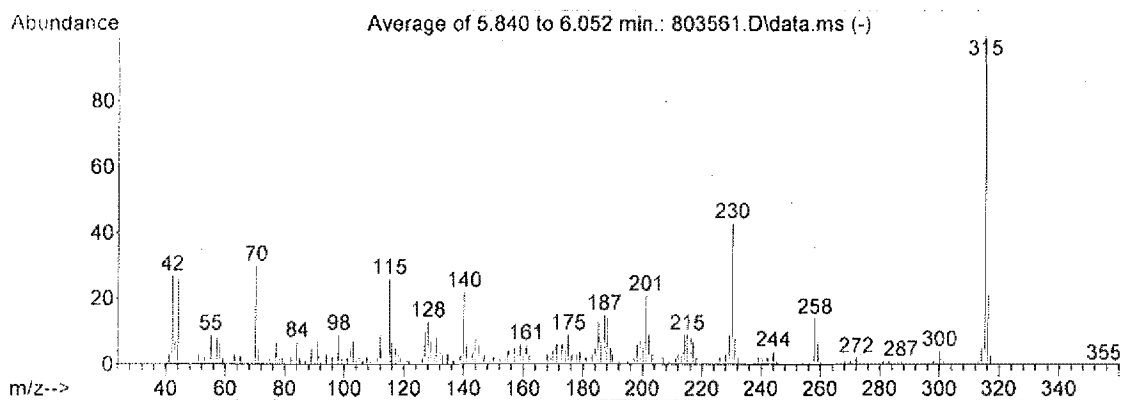Ret. Time              Area      Area  %     Ratio %

***NO INTEGRATED PEAKS***

Area Percent / Library Search Report

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803561.D
Operator       : DCS
Date Acquired  :  8 Oct 2011    4:41
Sample Name    : ████████
Submitted by   : KAC
Vial Number    :  61
AcquisitionMeth: DRUGS.M
Integrator     : RTE



Abundance                        TIC: 803561.D\data.ms
1000000                   5.882

800000

600000

400000

200000

      0
Time-->   2.00   3.00   4.00   5.00   6.00   7.00   8.00   9.00   10.00  11.00  12.00

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 5.882 | 1293137 | 100.00 | 100.00 |

Information from Data File:
File Name     : F:\Q4-2011\System7\10_07_11\803561.D
Operator      : DCS
Date Acquired : 8 Oct 2011   4:41
Sample Name   : ███████
Submitted by  : KAC
Vial Number   : 61
AcquisitionMeth: DRUGS.M
Integrator    : RTE

Search Libraries:  C:\Database\SLI.L          Minimum Quality: 80
                   C:\Database\NIST05a.L       Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 5.88 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |



Average of 5.840 to 6.052 min.: 803561.D\data.ms (-)



#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

803561.D          Tue Feb 21 13:18:58 2012          Page   2

Folk_OIG_PRR_075314

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803562.D
Operator       : DCS
Date Acquired  :  8 Oct 2011   4:57
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :  2
AcquisitionMeth: DRUGS.M
Integrator     : RTE



Abundance                          TIC: 803562.D\data.ms

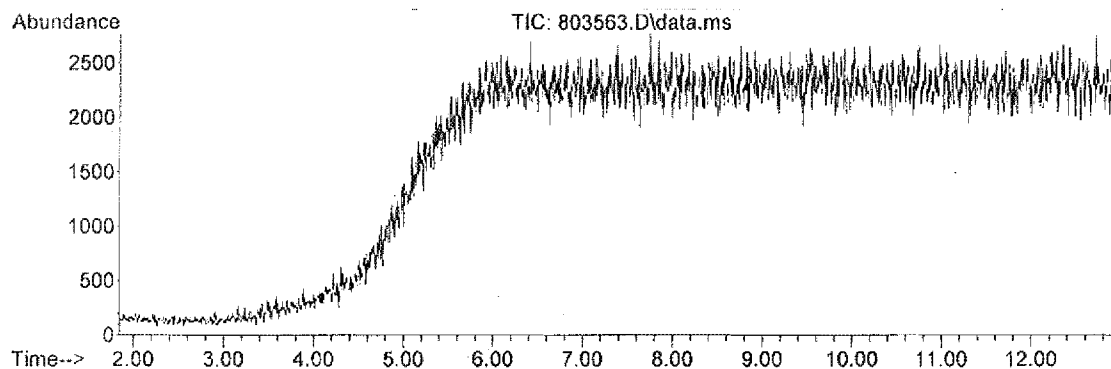| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

Area Percent / Library Search Report

---

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803563.D
Operator       : DCS
Date Acquired  :  8 Oct 2011    5:13
Sample Name    : BLANK
Submitted by   : KAC
Vial Number    :   2
AcquisitionMeth: DRUGS.M
Integrator     : RTE

---



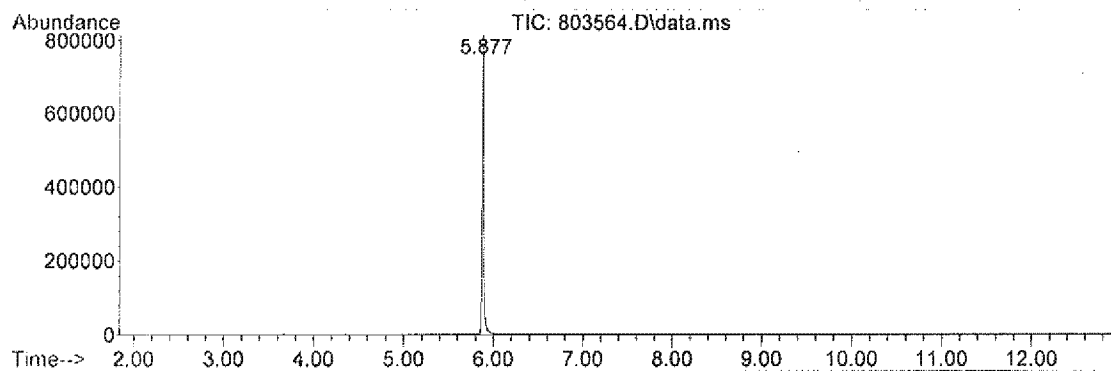| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

---

***NO INTEGRATED PEAKS***

Information from Data File:
File Name       : F:\Q4-2011\System7\10_07_11\803564.D
Operator        : DCS
Date Acquired   :  8 Oct 2011     5:28
Sample Name     : ██████████
Submitted by    : KAC
Vial Number     :  64
AcquisitionMeth: DRUGS.M
Integrator      : RTE

Abundance                          TIC: 803564.D\data.ms
  800000                  5.877

  600000

  400000

  200000

       0
Time-->  2.00   3.00   4.00   5.00   6.00   7.00   8.00   9.00   10.00  11.00  12.00

Ret. Time              Area      Area %    Ratio %

5.877                  1036589   100.00    100.00

```
Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803564.D
Operator       : DCS
Date Acquired  : 8 Oct 2011    5:28
Sample Name    : ███████████
Submitted by   : KAC
Vial Number    : 64
AcquisitionMeth: DRUGS.M
Integrator     : RTE
```

| | | | | |
|---|---|---|---|---|
| Search Libraries: | C:\Database\SLI.L | | Minimum Quality: | 80 |
| | C:\Database\NIST05a.L | | Minimum Quality: | 80 |
| | C:\Database\PMW_TOX2.L | | | |

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 5.88 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |



Average of 5.835 to 6.025 min.: 803564.D\data.ms (-)



#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

803564.D          Tue Feb 21 13:19:34 2012          Page   2
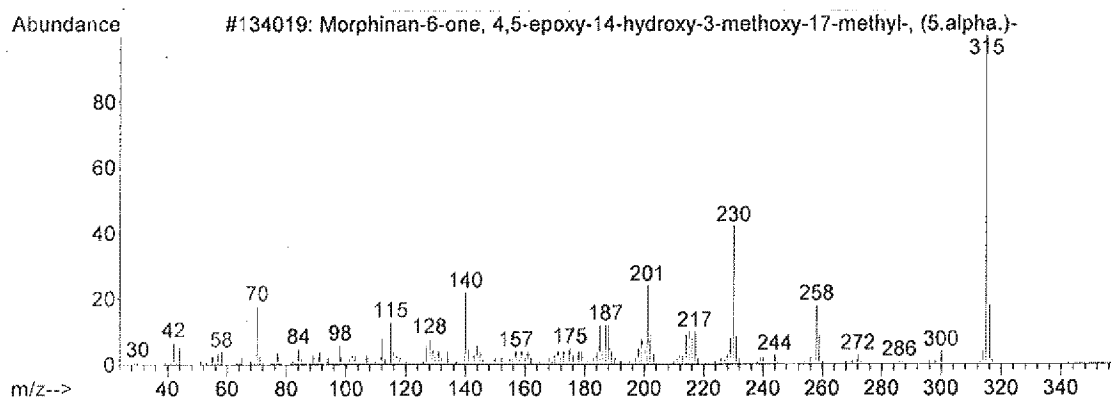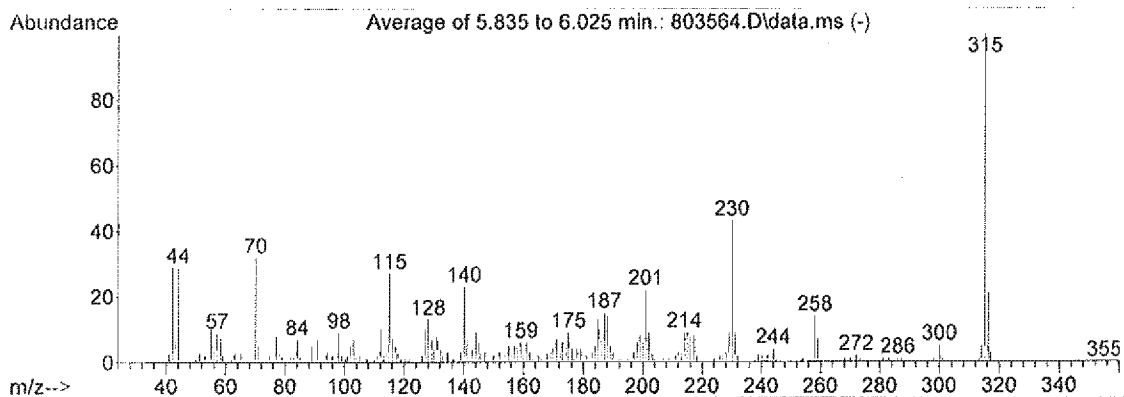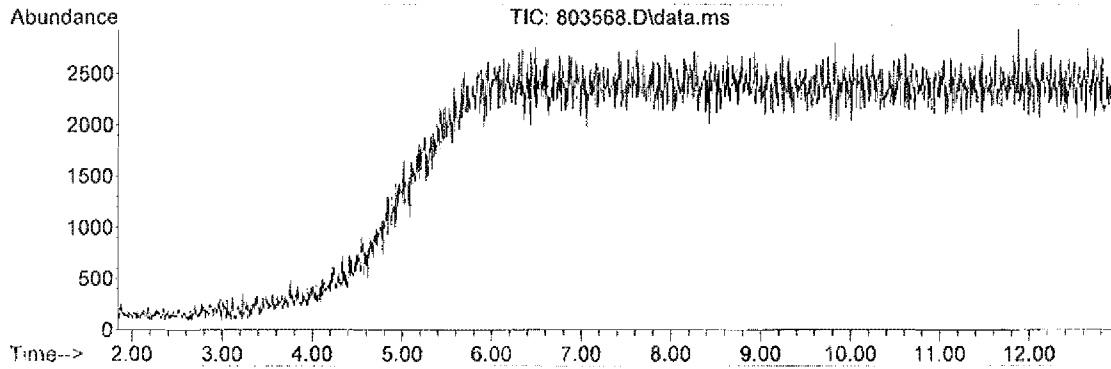
Area Percent / Library Search Report

Information from Data File:
File Name      :  F:\Q4-2011\System7\10_07_11\803568.D
Operator       :  DCS
Date Acquired  :  8 Oct 2011   6:31
Sample Name    :  BLANK
Submitted by   :
Vial Number    :  2
AcquisitionMeth:  DRUGS.M
Integrator     :  RTE

Abundance                          TIC: 803568.D\data.ms

2500
2000
1500
1000
 500
   0
Time-->   2.00    3.00    4.00    5.00    6.00    7.00    8.00    9.00    10.00    11.00    12.00

Ret. Time              Area        Area  %     Ratio %
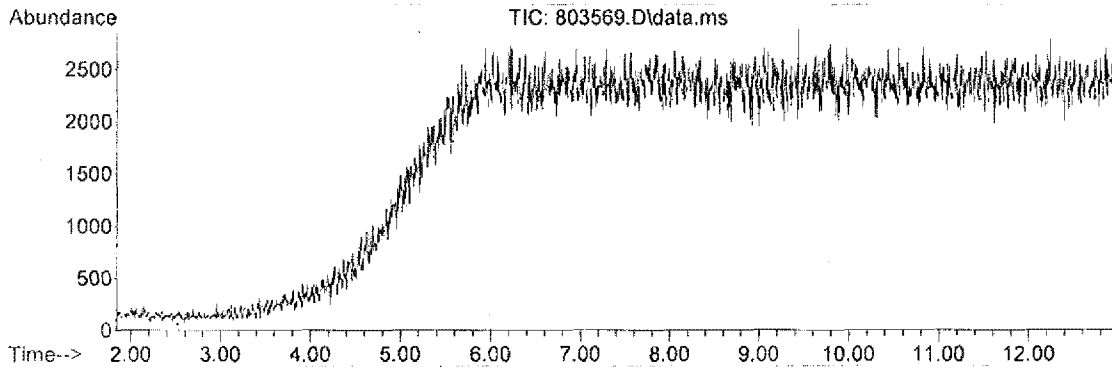
***NO INTEGRATED PEAKS***

Area Percent / Library Search Report

Information from Data File:
File Name      : F:\Q4-2011\System7\10_07_11\803569.D
Operator       : DCS
Date Acquired  :  8 Oct 2011   6:47
Sample Name    : BLANK
Submitted by   :
Vial Number    :  2
AcquisitionMeth: DRUGS.M
Integrator     : RTE



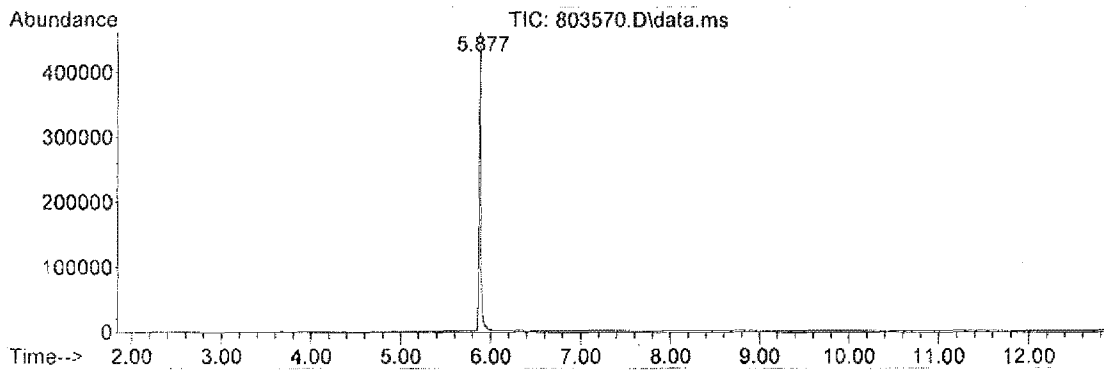| Ret. Time | Area | Area % | Ratio % |
|---|---|---|---|

***NO INTEGRATED PEAKS***

Area Percent / Library Search Report

---

Information from Data File:
File Name     : F:\Q4-2011\System7\10_07_11\803570.D
Operator      : DCS
Date Acquired : 8 Oct 2011   7:02
Sample Name   : OXYCODONE STANDARD
Submitted by  :
Vial Number   :   5
AcquisitionMeth: DRUGS.M
Integrator    : RTE

---



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 5.877 | 601104 | 100.00 | 100.00 |

---

Information from Data File:
```
File Name       : F:\Q4-2011\System7\10_07_11\803570.D
Operator        : DCS
Date Acquired   : 8 Oct 2011   7:02
Sample Name     : OXYCODONE STANDARD
Submitted by    :
Vial Number     : 5
AcquisitionMeth : DRUGS.M
Integrator      : RTE
```

Search Libraries:  C:\Database\SLI.L            Minimum Quality: 80
                   C:\Database\NIST05a.L        Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|-----|-----------|------|------|
| 1 | 5.88 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |
| | | Morphinan-6-one, 4,5-epoxy-14-hydro | 000076-42-6 | 99 |



Average of 5.840 to 6.004 min.: 803570.D\data.ms (-)



#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

Folk_OIG_PRR_075322